Fig. 1

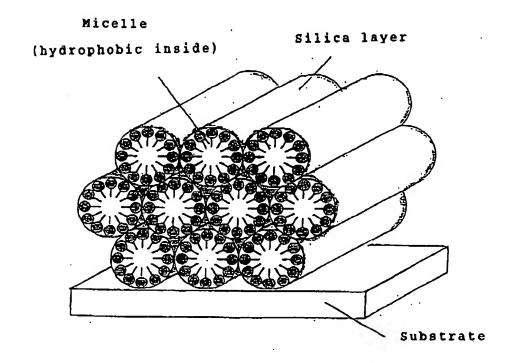


Fig. 2

Extraction type

Bxcitation

light Luminescence

Surface-active molecule

Luminescent molecule

recognition reagent

Target chemical species

Impregnation type

Excitation light Luminescence

Fig. 3

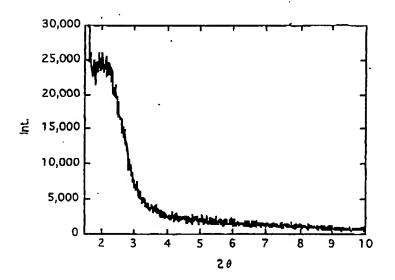
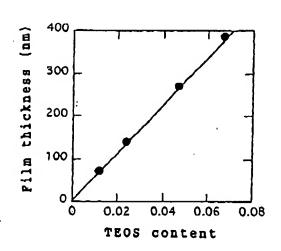


Fig. 4



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Fig. 5

Fig. 6

Su

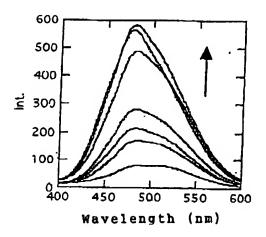
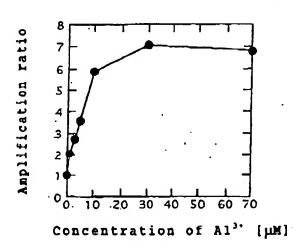


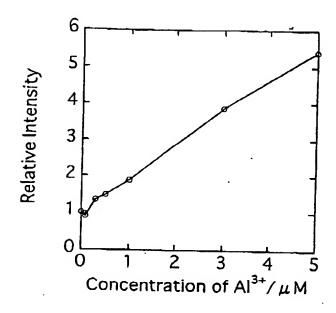
Fig. 7



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Fig. 8



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Fig. 9

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Micelle in nanochannel

Fig. 10

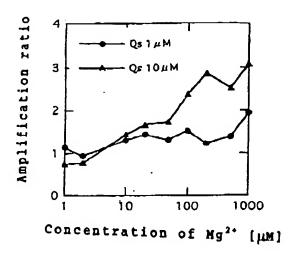


Fig. 11

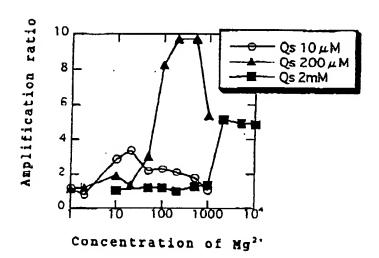
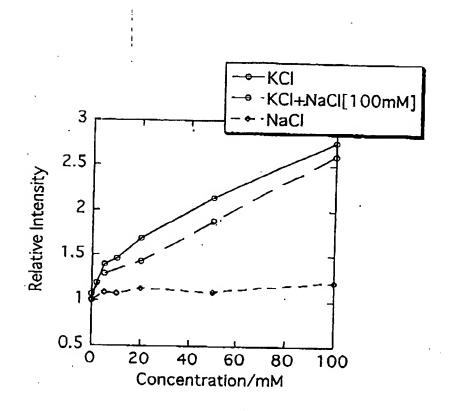
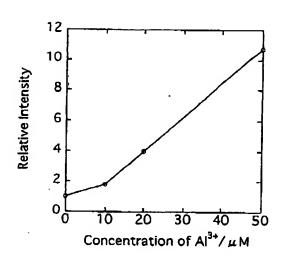


Fig. 12



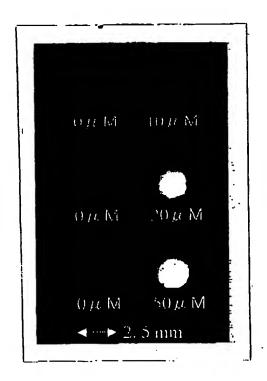
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Fig. 13



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Fig. 14



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Fig. 15

